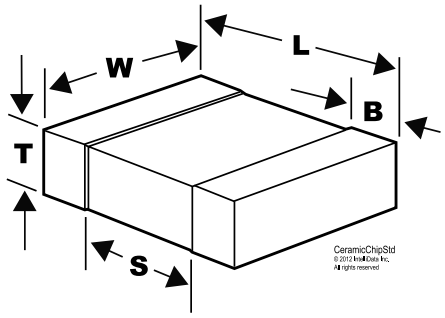
# KEMET Part Number: C0805C680K5GACTU

(C0805C680K5GAC7800)

SMD Comm C0G, Ceramic, 68 pF, 10%, 50 V, C0G, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 0805




| General Information | |
|---|---|
| **Supplier:** | KEMET |
| **Series:** | SMD Comm C0G |
| **Style:** | SMD Chip |
| **Description:** | SMD, MLCC, Ultra-Stable, Low Loss, Class I |
| **Features:** | Ultra-Stable, Low Loss, Class I |
| **RoHS:** | Yes |
| **Termination:** | Tin |
| **Marking:** | No |
| **Failure Rate:** | N/A |
| **Miscellaneous:** | Note: KEMET 50V rated parts may be operated at 63 Volts |
| **Chip Size:** | 0805 |

| Dimensions | |
|---|---|
| **L** | 2mm +/-0.2mm |
| **W** | 1.25mm +/-0.2mm |
| **T** | 0.78mm +/-0.10mm |
| **S** | 0.75mm MIN |
| **B** | 0.5mm +/-0.25mm |

| Specifications | |
|---|---|
| **Capacitance:** | 68 pF |
| **Capacitance Tolerance:** | 10% |
| **Voltage DC:** | 50 VDC |
| **Dielectric Withstanding Voltage:** | 125 V |
| **Temperature Range:** | -55/+125C |
| **Temperature Coefficient:** | C0G |
| **Dissipation Factor:** | 0.1% 1MHz 25C |
| **Aging Rate:** | 0% Loss/Decade Hour |
| **Insulation Resistance:** | 100 GOhms |

| Packaging Specifications | |
|---|---|
| **Packaging:** | T&R, 180mm, Paper Tape |
| **Packaging Quantity:** | 4000 |

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